

Listing of Claims

Amendments to the Claims - This listing of claims will replace all prior versions, and listings, of claims in the application:

1-50 (Cancelled)

51. (Currently Amended) A method for reducing immune-mediated damage to cells, tissues or organs comprising contacting a cell, tissue or organ with an immunoprotective amount of polypeptide comprising the amino acid sequence AVL~~SAE~~QLR (SEQ ID NO:3), wherein the immune-mediated damage is caused by ~~[[by]]~~lymphocytes, NK cells or NK-like cells.

52-59 (Cancelled)

60. (Currently Amended) A method for protecting cells, organs or tissues comprising exposing said cells, organs or tissues to an immunoprotective amount of a polypeptide that contains at least one sequence selected from the group ~~comprising~~consisting of AX₁X₂X₃AX₄X₅X₆R (SEQ ID NO:1), AX₁LSAEX₅X₆R (SEQ ID NO:1), AX₁X₂X₃AEQLR (SEQ ID NO:29), and AVL~~S~~AX₄X₅LR (SEQ ID NO:1) to prevent damage caused by lymphocytes, NK cells or NK-like cells, wherein X₁ is V, L, A or T, X₂ is L or H, X₃ is S or V, X₄ is D or E, X₅ is Q, K or R, and X₆ is L or V (SEQ ID NO:1), and wherein X₁, X₂ and X₃ are any amino acid when the polypeptide contains the sequence AX₁X₂X₃AEQLR (SEQ ID NO: 29).

61. (Previously Presented) The method of claim 60, wherein said polypeptide comprises the sequence AX₁X₂X₃AX₄X₅X₆R, wherein X₁ is V, L, A or T, X₂ is L or H, X₃ is S or V, X₄ is D or E, X₅ is Q, K or R, and X₆ is L or V (SEQ ID NO:1).

62. (Previously Presented) The method of claim 60, wherein said polypeptide comprises the sequence AX₁LSAEX₅X₆R wherein X₁ is V, L or T, X₅ is Q, K or R, and X₆ is L or V (SEQ ID NO:14).

63. (Currently Amended) The method of claim 60, wherein said polypeptide comprises the sequence AX₁X₂X₃AEQLR, wherein X₁, X₂ and X₃ are any amino acid (SEQ ID NO: 29).

64. (Previously Presented) The method of claim 63, wherein X₁ is V or A, X₂ is L or H, and X₃ is preferably S or V (SEQ ID NO:2).

65. (Previously Presented) The method of claim 60, wherein said polypeptide comprises the sequence AVL₁SAX₄X₅LR wherein X₄ is D or E, and X₅ is K or Q (SEQ ID NO:13).

66. (Previously Presented) A method for protecting cells, organs or tissues comprising exposing said cells, organs or tissues to an immunoprotective amount of an Hsp47 polypeptide to prevent damage caused by lymphocytes, NK cells or NK-like cells.

67. (Previously Presented) The method of claim 66, wherein said Hsp47 polypeptide comprises the sequence AVL₁SAEQLR (SEQ ID NO:3).

68. (Previously Presented) The method of claim 66, wherein said Hsp47 polypeptide consists essentially of the sequence AVLSAEQLR (SEQ ID NO:3).

69. (Previously Presented) The method of claim 66, wherein said Hsp47 polypeptide comprises a sequence at least 70% identical to SEQ ID NO:6.

70. (Previously Presented) The method of claim 66, wherein said Hsp47 polypeptide is encoded by a nucleic acid sequence at least 80% identical to a nucleic acid sequence encoding SEQ ID NO:6.

71. (Previously Presented) The method of claim 66, wherein said Hsp47 polypeptide comprises a sequence greater than 90% identical to SEQ ID NO:6.

72. (Previously Presented) The method of claim 66, wherein said Hsp47 polypeptide comprises a sequence greater than 95% identical to SEQ ID NO:6.

73. (Previously Presented) The method of claim 66, wherein said Hsp47 polypeptide consists of SEQ ID NO:6.

74. (Previously Presented) The method of claim 66, wherein said Hsp47 polypeptide comprises a sequence at least 55.5% identical to SEQ ID NO:3.

75. (Previously Presented) The method of claim 66, wherein said Hsp47 polypeptide comprises a sequence at least 66.6% identical to SEQ ID NO:3.

76. (Previously Presented) The method of claim 66, wherein said Hsp47 polypeptide comprises a sequence at least 77.7% identical to SEQ ID NO:3.

77. (Previously Presented) The method of claim 66, wherein said Hsp47 polypeptide comprises a sequence at least 88.8% identical to SEQ ID NO:3.

78. (Previously Presented) The method of claim 66, wherein said Hsp47 polypeptide comprises a polypeptide encoded by a nucleic acid sequence which hybridizes with a nucleic acid sequence of SEQ ID NO:4 under stringent conditions.

79. (Previously Presented) The method of claim 66, wherein said Hsp47 polypeptide comprises a polypeptide encoded by a nucleic acid sequence which hybridizes with a nucleic acid sequence of SEQ ID NO:4 under moderately stringent conditions.

80. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AAHVAEQLR (SEQ ID NO: 1).

81. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLSAEKLR (SEQ ID NO: 1).

82. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLSADKLN (SEQ ID NO: 9).
83. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLSAERVR (SEQ ID NO: 1).
84. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLSAEKVR (SEQ ID NO: 1).
85. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALLSAEKVN (SEQ ID NO: 12).
86. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLSADKLR (SEQ ID NO: 1).
87. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLSADQLR (SEQ ID NO: 1).
88. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLAAEQLR (SEQ ID NO: 28).
89. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLVAEQLR (SEQ ID NO: 28).

90. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVHAAEQLR (SEQ ID NO: 28).

91. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVHVAEQLR (SEQ ID NO: 28).

92. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AALAAEQLR (SEQ ID NO: 28).

93. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AALVAEQLR (SEQ ID NO: 28).

94. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AAHAAEQLR (SEQ ID NO: 28).

95. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLSAEQVR (SEQ ID NO: 29).

96. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLSAEKVR (SEQ ID NO: 14).

97. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVL~~S~~AERLR (SEQ ID NO: 14).

98. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVL~~S~~AERV~~R~~ (SEQ ID NO: 14).

99. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALL~~S~~AEQLR (SEQ ID NO: 14).

100. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALL~~S~~AEQVR (SEQ ID NO: 14).

101. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALL~~S~~AEKLR (SEQ ID NO: 14).

102. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALL~~S~~AEKV~~R~~ (SEQ ID NO: 14).

103. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALL~~S~~AERLR (SEQ ID NO: 14).

104. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALL~~S~~AERV~~R~~ (SEQ ID NO: 14).

105. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLSAEQLR (SEQ ID NO: 14).

106. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLSAEQVR (SEQ ID NO: 14).

107. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLSAEKLR (SEQ ID NO: 14).

108. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLSAERLR (SEQ ID NO: 14).

109. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLAADKLR (SEQ ID NO: 28).

110. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLAADKVR (SEQ ID NO: 28).

111. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLAADQLR (SEQ ID NO: 28).

112. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLAAADQVR (SEQ ID NO: 28).

113. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLAAADRLR (SEQ ID NO: 28).

114. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLAAADRVR (SEQ ID NO: 28).

115. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLAAEKLR (SEQ ID NO: 28).

116. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLAAEKVR (SEQ ID NO: 28).

117. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLAAEQVR (SEQ ID NO: 28).

118. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLAAERLR (SEQ ID NO: 28).

119. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLAAERVR (SEQ ID NO: 28).

120. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLVADKLR (SEQ ID NO: 28).

121. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLVADKVR (SEQ ID NO: 28).

122. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLVADQLR (SEQ ID NO: 28).

123. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLVADQVR (SEQ ID NO: 28).

124. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLVADRLR (SEQ ID NO: 28).

125. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLVADRVR (SEQ ID NO: 28).

126. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLVAEKLK (SEQ ID NO: 28).

127. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLVAEKVR (SEQ ID NO: 28).

128. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLVAEQVR (SEQ ID NO: 28).

129. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLVAERLR (SEQ ID NO: 28).

130. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVLVAERVR (SEQ ID NO: 28).

131. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVHAADKLR (SEQ ID NO: 28).

132. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ~~AVHAAKDVR~~ AVHAADKVR (SEQ ID NO: 28).

133. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVHAADQLR SEQ ID NO: 28).

134. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVHAADQVR (SEQ ID NO: 28).

135. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVHAADRLR (SEQ ID NO: 28).

136. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVHAADRV R (SEQ ID NO: 28).

137. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVHAAEKLR (SEQ ID NO: 28).

138. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVHAAEKVR (SEQ ID NO: 28).

139. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVHAAEQVR (SEQ ID NO: 28).

140. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVHAAERLR (SEQ ID NO: 28).

141. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVHAAERV R (SEQ ID NO: 28).

142. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVHVADKLR (SEQ ID NO: 28).

143. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVHVADKVR (SEQ ID NO: 28).

144. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVHVADQLR (SEQ ID NO: 28).

145. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVHVADQVR (SEQ ID NO: 28).

146. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVHVADRLR (SEQ ID NO: 28).

147. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVHVADRVVR (SEQ ID NO: 28).

148. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVHVAEKLR (SEQ ID NO: 28).

149. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVHVAEKVR (SEQ ID NO: 28).

150. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVHVAEQVR (SEQ ID NO: 28).

151. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVHVAERLR (SEQ ID NO: 28).

152. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AVHVAERVR (SEQ ID NO: 28).

153. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALLAADKLR (SEQ ID NO: 28).

154. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALLAADKVR (SEQ ID NO: 28).

155. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALLAADQLR (SEQ ID NO: 28).

156. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALLAADQVR (SEQ ID NO: 28).

157. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALLAADRLR (SEQ ID NO: 28).

158. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALLAADRVR (SEQ ID NO: 28).

159. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALLAAEKLR (SEQ ID NO: 28).

160. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALLAAEKVR (SEQ ID NO: 28).

161. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALLAAEQLR (SEQ ID NO: 28).

162. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALLAAEQVR (SEQ ID NO: 28).

163. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALLAAERLR (SEQ ID NO: 28).

164. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALLAAERVR (SEQ ID NO: 28).

165. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALLVADKLR (SEQ ID NO: 28).

166. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALLVADKVR (SEQ ID NO: 28).

167. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALLVADQLR (SEQ ID NO: 28).

168. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALLVADQVR (SEQ ID NO: 28).

169. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALLVADRLR (SEQ ID NO: 28).

170. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALLVADRVR (SEQ ID NO: 28).

171. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALLVAEKLR (SEQ ID NO: 28)

172. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALLVAEKVR (SEQ ID NO: 28).

173. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALLVAEQLR (SEQ ID NO: 28).

174. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALLVAEQVR (SEQ ID NO: 28).

175. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALLVAERLR (SEQ ID NO: 28).

176. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALLVAERVVR (SEQ ID NO: 28).

177. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALHAADKLR (SEQ ID NO: 28).

178. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ~~ALHAAKDVR~~ ALHAADKVR (SEQ ID NO: 28).

179. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALHAADQLR (SEQ ID NO: 28).

180. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALHAADQVR (SEQ ID NO: 28).

181. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALHAADRLR (SEQ ID NO: 28).

182. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALHAADRVR (SEQ ID NO: 28).

183. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALHAAEKLR (SEQ ID NO: 28).

184. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALHAAEKVR (SEQ ID NO: 28).

185. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALHAAEQLR (SEQ ID NO: 28).

186. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALHAAEQVR (SEQ ID NO: 28).

187. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALHAAERLR (SEQ ID NO: 28).

188. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALHAAERVR (SEQ ID NO: 28).

189. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALHVADKLR (SEQ ID NO: 28).

190. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALHVADKVR (SEQ ID NO: 28).

191. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALHVADQLR (SEQ ID NO: 28).

192. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALHVADQVR (SEQ ID NO: 28).

193. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALHVADRLR (SEQ ID NO: 28).

194. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALHVADRVR (SEQ ID NO: 28).

195. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALHVAEKLR (SEQ ID NO: 28).

196. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALHVAEKVR (SEQ ID NO: 28).

197. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALHVAEQLR (SEQ ID NO: 28).

198. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALHVAEQVR (SEQ ID NO: 28).

199. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALHVAERLR (SEQ ID NO: 28).

200. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ALHVAERVR (SEQ ID NO: 28).

201. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AALAADKLR (SEQ ID NO: 28).

202. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AALAADKVR (SEQ ID NO: 28).

203. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AALAADQLR (SEQ ID NO: 28).

204. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AALAADQVR (SEQ ID NO: 28).

205. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AALAADRLR (SEQ ID NO: 28).

206. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AALAADRVR (SEQ ID NO: 28).

207. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AALAAEKLK (SEQ ID NO: 28).

208. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AALAAEKVR (SEQ ID NO: 28).

209. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AALAAEQVR (SEQ ID NO: 28).

210. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AALAAERLR (SEQ ID NO: 28).

211. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AALAAERVR (SEQ ID NO: 28).

212. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AALVADKLR (SEQ ID NO: 28).

213. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AALVADKVR (SEQ ID NO: 28).

214. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AALVADQLR (SEQ ID NO: 28).

215. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AALVADQVR (SEQ ID NO: 28).

216. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AALVADRLR (SEQ ID NO: 28).

217. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AALVADRVR (SEQ ID NO: 28).

218. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AALVAEKLR (SEQ ID NO: 28).

219. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AALVAEKVR (SEQ ID NO: 28).

220. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AALVAEQVR (SEQ ID NO: 28).

221. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AALVAERLR (SEQ ID NO: 28).

222. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AALVAERVR (SEQ ID NO: 28).

223. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AAHAADKLR (SEQ ID NO: 28).

224. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AAHAAKDVRAAHAADKVR (SEQ ID NO: 28).

225. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AAHAADQLR (SEQ ID NO: 28).

226. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AAHAADQVR (SEQ ID NO: 28).

227. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AAHAADRLR (SEQ ID NO: 28).

228. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AAHAADRVR (SEQ ID NO: 28).

229. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AAHAAEKLR (SEQ ID NO: 28).

230. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AAHAAEKVR (SEQ ID NO: 28).

231. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AAHAAEQVR (SEQ ID NO: 28).

232. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AAHAAERLR (SEQ ID NO: 28).

233. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AAHAAERVLR (SEQ ID NO: 28).

234. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AAHVADKLR (SEQ ID NO: 28).

235. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AAHVADKVR (SEQ ID NO: 28).

236. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AAHVADQLR (SEQ ID NO: 28).

237. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AAHVADQVR (SEQ ID NO: 28).

238. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AAHVADRLR (SEQ ID NO: 28).

239. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AAHVADRVVR (SEQ ID NO: 28).

240. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AAHVAEKLR (SEQ ID NO: 28).

241. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AAHVAEKVR (SEQ ID NO: 28).

242. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AAHVAEQVR (SEQ ID NO: 28).

243. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AAHVAERLR (SEQ ID NO: 28).

244. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence AAHVAERVR (SEQ ID NO: 28).

245. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLAADKLR (SEQ ID NO: 28).

246. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLAADKVR (SEQ ID NO: 28).

247. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLAADQLR (SEQ ID NO: 28).

248. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLAADQVR (SEQ ID NO: 28).

249. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLAADRLR (SEQ ID NO: 28).

250. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLAADRVR (SEQ ID NO: 28).

251. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLAAEKLR (SEQ ID NO: 28).

252. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLAAEKVR (SEQ ID NO: 28).

253. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLAAEQLR (SEQ ID NO: 28).

254. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLAAEQVR (SEQ ID NO: 28).

255. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLAAERLR (SEQ ID NO: 28).

256. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLAAERVR (SEQ ID NO: 28).

257. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLVADKLR (SEQ ID NO: 28).

258. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLVADKVR (SEQ ID NO: 28).

259. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLVADQLR (SEQ ID NO: 28).

260. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLVADQVR (SEQ ID NO: 28).

261. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLVADRLR (SEQ ID NO: 28).

262. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLVADRVR (SEQ ID NO: 28).

263. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLVAEKLR (SEQ ID NO: 28).

264. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLVAEKVR (SEQ ID NO: 28).

265. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLVAEQLR (SEQ ID NO: 28).

266. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLVAEQVR (SEQ ID NO: 28).

267. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLVAERLR (SEQ ID NO: 28).

268. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATLVAERVR (SEQ ID NO: 28).

269. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATHAADKLR (SEQ ID NO: 28).

270. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATHAADKVR (SEQ ID NO: 28).

271. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATHAADQLR (SEQ ID NO: 28).

272. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATHAADQVR (SEQ ID NO: 28).

273. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATHAADRLR (SEQ ID NO: 28).

274. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATHAADRVR (SEQ ID NO: 28).

275. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATHAAEKLK (SEQ ID NO: 28).

276. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATHAAEKVR (SEQ ID NO: 28).

277. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATHAAEQLR (SEQ ID NO: 28).

278. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATHAAEQVR (SEQ ID NO: 28).

279. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATHAAERLR (SEQ ID NO: 28).

280. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATHAAERVR (SEQ ID NO: 28).

281. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATHVADKLR (SEQ ID NO: 28).

282. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATHVADKVR (SEQ ID NO: 28).

283. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATHVADQLR (SEQ ID NO: 28).

284. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATHVADQVR (SEQ ID NO: 28).

285. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATHVADRLR (SEQ ID NO: 28).

286. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATHVADRVR (SEQ ID NO: 28).

287. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATHVAEKLK (SEQ ID NO: 28).

288. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATHVAEKVR (SEQ ID NO: 28).

289. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATHVAEQLR (SEQ ID NO: 28).

290. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATHVAEQVR (SEQ ID NO: 28).

291. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATHVAERLR (SEQ ID NO: 28).

292. (Currently Amended) The method of claim 66, wherein said polypeptide comprises the sequence ATHVAERVR (SEQ ID NO: 28).